

A METHOD AND APPARATUS FOR
GENERATING VIDEO IMAGES

ABSTRACT

A method and system for generating a video image is disclosed in which an object is monitored with a video camera to produce a sequence of video frames. Each of the video frames is divided into a plurality of regions, each region being representative of a portion of said object. For example, the frame of the video image may include the head and shoulder region of a user. Regions corresponding to predetermined facial features may be selected, such as the chin, opposing edges of the mouth, the nose, and the outer edge of each eye. At least one of the plurality of regions is selected. In the illustrative example, the selected region may comprise the mouth of the monitored user. The selected region is then recombined with each of the remaining regions of the video frame to form a display video image. The sequence of video frames is then displayed such that the selected region is perceived by an observer to form a sharp image, and remaining regions of said display video image are less sharp in accordance with the distance between said respective portion of said object and said video camera.

Figures 2a-2c